

**AMENDMENTS TO THE CLAIMS**

Claims 1 – 25 (Canceled)

26. (Previously presented) A system for remotely producing health reports, comprising:

a health monitoring device including:

a test strip reader operable for reading a test strip carrying a sample of biological fluid or tissue and obtaining test results based on the sample of biological tissue or fluid and calibration data specific to the test strip,

a memory reading device functionally connected to the test strip reader and operable for reading the calibration data from a memory device, and

a data drive functionally connected to the test strip reader and operable for writing the test results to a memory storage device;

a health report server operable for:

receiving the test results and additional diagnostic information,

compiling a health report based on the test results and the additional diagnostic information, said health report including one or more of the following data items: a five-year risk of heart attack, a ten-year risk of heart attack, a cardiac age, an extended age, or a risk of stroke, and

transmitting the health report; and

a computer station operable for:

reading the test results from the memory storage device,

establishing a network connection with the health report server,

receiving the additional diagnostic information,

transmitting the test results and the additional diagnostic information to the health report server,

receiving the health report from the health report server, and

printing the health report.

27. (Original) The system for remotely producing health reports of claim 26, wherein the health report includes a trend analysis including test results compiled for a number of samples of the biological fluid or tissue.

28. (Previously presented) The system for remotely producing health reports of claim 26, wherein:

the biological fluid or tissue includes a droplet of human blood;

the test results include blood lipid levels; and

the additional diagnostic information includes one or more of the following data items corresponding to a person providing the droplet of human blood: gender, ethnicity, family history of heart disease, personal history of heart disease, personal history of diabetes, personal history of smoking, height, weight, age, blood pressure, and fitness level.

29. (Previously presented) The system for remotely producing health reports of claim 26, wherein:

the health report includes one or more of the following data items: a medical risk index and a recommended weight loss.

30. (Original) The system for remotely producing health reports of claim 29, wherein:  
the additional diagnostic information includes a newly-prescribed drug and other currently-prescribed drugs; and

the health report includes a data sheet for the newly-prescribed drug and information relating to cross-reactions between the newly-prescribed drug and the other currently-prescribed drugs.

31. (Previously presented) The system for remotely producing health reports of claim 30, wherein the health report further includes one or more of the following items:

target weight and blood lipid levels;

a schedule for future testing using the health monitoring device;

a health assessment summary;

a coronary risk assessment; and

dietary guidelines to lower cholesterol.

32. (Original) The system for remotely producing health reports of claim 31, wherein the test strip reader is operable for reading a second type of test strip carrying a second sample of biological fluid or tissue and obtaining health-related test results based on the second sample of biological tissue or fluid and calibration data specific to the second type of test strip, further comprising:  
a second memory reading device functionally connected to the test strip reader and operable for reading calibration data from a second memory device corresponding to the second type of test strip.

33. (Previously presented) The system for remotely producing health reports of claim 32, wherein:  
the test results include blood glucose levels; and  
the health report further includes a trend analysis including test results compiled for a number of samples of the biological fluid or tissue.

Claims 34 – 49 (Canceled)

50. (New) A system for producing health reports, the system comprising:  
(a) a health monitoring device including:  
(i) a test strip reader for reading a test strip carrying one of a first and second biological fluid or tissue and obtaining test results; and  
(ii) a storage device for receiving the test results from the test strip reader;  
(b) a health report server configured to:  
(i) receive the test results and additional diagnostic information from the health monitoring device; and  
(ii) create a health report including one of more of the following data items: a five-year risk of heart attack, a ten-year risk of heart attack, a cardiac age, an extended age, or a risk of stroke;

- (c) a computer configured to:
  - (i) read the test results from the storage device;
  - (ii) establish a network connection with the health report server;
  - (iii) receive the additional diagnostic information;
  - (iv) transmit the test results and additional diagnostic information to the health report server,
  - (v) receive the health report from the health report server, and
  - (vi) output the health report.

51. (New) The system of claim 50 wherein the health monitoring device further includes a secure data system for maintaining the security of the test results.

52. (New) A system for producing health reports, the system comprising:
- (a) a health monitoring device including:
    - (i) a test strip reader for reading a test strip carrying a first biological fluid or tissue and obtaining test results;
    - (ii) a storage device for receiving the test results from the test strip reader; and
    - (iii) a secure data system for maintaining the security of the test results;
  - (b) a health report server configured to:
    - (i) receive the test results and additional diagnostic information from the health monitoring device;
    - (ii) create a health report including one of more of the following data items: a five-year risk of heart attack, a ten-year risk of heart attack, a cardiac age, an extended age, or a risk of stroke;
  - (c) a computer configured to:
    - (i) read the test results from the storage device;
    - (ii) establish a network connection with the health report server;
    - (iii) receive the additional diagnostic information;
    - (iv) transmit the test results and additional diagnostic information to the health report server,

- (v) receive the health report from the health report server, and
- (vi) output the health report.

53. (New) The system of claim 52 wherein the test strip reader is further for reading a test strip carrying a second biological fluid.

54. (New) The system of claim 26 wherein the health monitoring device further includes a secure data system for maintaining the security of the test results.

55. (New) The system of claim 26 wherein the test strip reader is further for reading a test strip carrying a second biological fluid.